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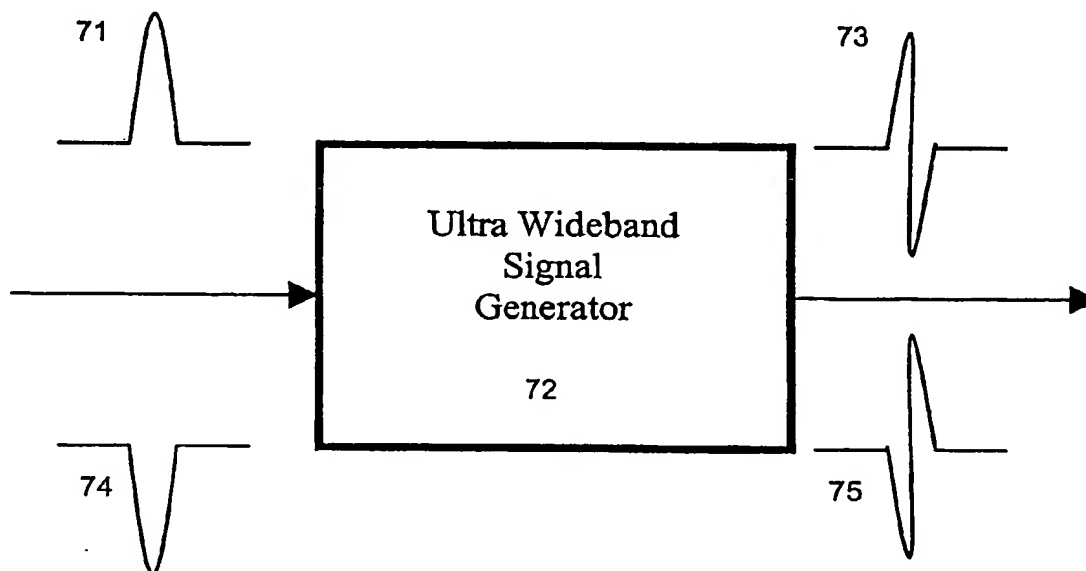
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(54) Title: METHOD OF GENERATING UWB PULSES



(57) Abstract: A method produces UWB pulses (73, 75) using a differentiated clock signal as a pulse input (71, 72), and a data signal to modulate the pulse input. The mixed signal is then differentiated a second time to produce high frequency broad band UWB signals. A differentiating system which comprises a transistor, a lowpass filter at the output of the transistor, the output of the lowpass filter negatively feedback to the input of the transistor, whereby the output of system has a high voltage swing capable of being matched to an antenna without further need of amplification, and the system is capable of implementation on an IC.



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